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Garmin 010-02753-13

Garmin Descent™ Mk3i Dive Computer and Multisport GPS Smartwatch

Model: 010-02753-13 (Descent™ Mk3i – 43 mm)
Brand: Garmin

Introduction

The Garmin Descent™ Mk3i is an advanced, watch-style dive computer and multisport GPS smartwatch designed for divers. It offers multiple dive modes, air integration capabilities, and comprehensive health and fitness tracking features. This manual provides essential information for setting up, operating, and maintaining your device.

What's in the Box

- Descent Mk3i – 43 mm, bronze PVD titanium with French Gray silicone band
- French Gray extra long adjustment strap
- USB-C to clip charging/data cable
- Documentation (this manual and other guides)

Key Features

- Advanced watch-style dive computer with 1.2” AMOLED display and sapphire lens.
- 200-meter dive-rated case with metal leakproof inductive buttons.
- Multiple dive modes for recreational, technical scuba, and freediving.
- SubWave™ sonar technology for diver-to-diver communication and tank pressure monitoring (with Descent™ T2 transceiver, sold separately).
- Dive readiness tool to assess physical preparedness for diving.
- DiveView™ maps with bathymetric depth contours and over 4,000 dive sites.
- Multi-band GPS for superior positional accuracy on the surface.
- Built-in ABC sensors, including an underwater compass.
- Automatic dive log syncing with the Garmin Dive app.
- Integrated sports apps for fitness and training.
- 24/7 health and wellness monitoring (heart rate, sleep, respiration, Pulse Ox).

- Smartwatch functionalities: smart notifications, music storage, Garmin Pay™ contactless payments.
- Long battery life: up to 30 hours in dive mode, up to 10 days in smartwatch mode.

Setup

Initial Device Setup

1. **Power On:** Press and hold the LIGHT button (top left) to power on the device.
2. **Language Selection:** Follow the on-screen prompts to select your preferred language.
3. **Basic Settings:** Configure initial settings such as units of measure (miles/kilometers, feet/meters), time format, gender, birth year, height, and weight.
4. **Wrist Preference:** Select which wrist you will wear the watch on (left or right).
5. **Sleep/Wake Times:** Set your preferred bed and wake-up times for sleep tracking.
6. **Time Synchronization:** Choose to use GPS for automatic time synchronization or set the time manually.

Garmin Dive App Setup

To unlock the full potential of your Descent Mk3i, pair it with the Garmin Dive app on your compatible smartphone.

1. Download the Garmin Dive app from your smartphone's app store.
2. Open the app and follow the instructions to create an account or log in.
3. Select "Pair Device" in the app and choose your Descent Mk3i from the list of available devices.
4. Confirm the pairing code displayed on both your watch and phone.

Once paired, your dive logs will automatically sync, and you can customize watch faces, track gear, and more.



Figure 1: The Garmin Descent Mk3i in French Gray, showcasing its sleek design and display.

Operating Instructions

Dive Modes

The Descent Mk3i supports various dive modes, accessible through the dive menu:

- **Single-Gas:** For standard recreational diving with a single gas mix.
- **Multi-Gas:** For technical diving with multiple gas mixes, including nitrox and trimix.
- **Gauge:** Functions as a bottom timer, providing depth and time information without decompression calculations.
- **Apnea:** For freediving, tracking dive time, depth, and surface interval.

- **Apnea Hunt:** Similar to Apnea, optimized for spearfishing activities.
- **Closed-Circuit Rebreather (CCR):** For rebreather diving, supporting specific CCR parameters.

To select a dive mode, press the START/STOP button (top right), scroll to "Dive," and choose your desired mode.



Figure 2: The Descent Mk3i displaying critical dive data, including depth, time, and tank pressure.

SubWave™ Sonar Technology & Air Integration

When paired with a Descent™ T2 transceiver (sold separately), the Mk3i utilizes SubWave sonar technology for advanced air integration and diver-to-diver communication.

- **Tank Pressure Monitoring:** Monitor tank pressures and depth for up to eight networked divers within a 10-meter range.
- **Diver-to-Diver Messaging:** Exchange preset messages with other divers up to 30 meters away (requires software v.15.70 or later).

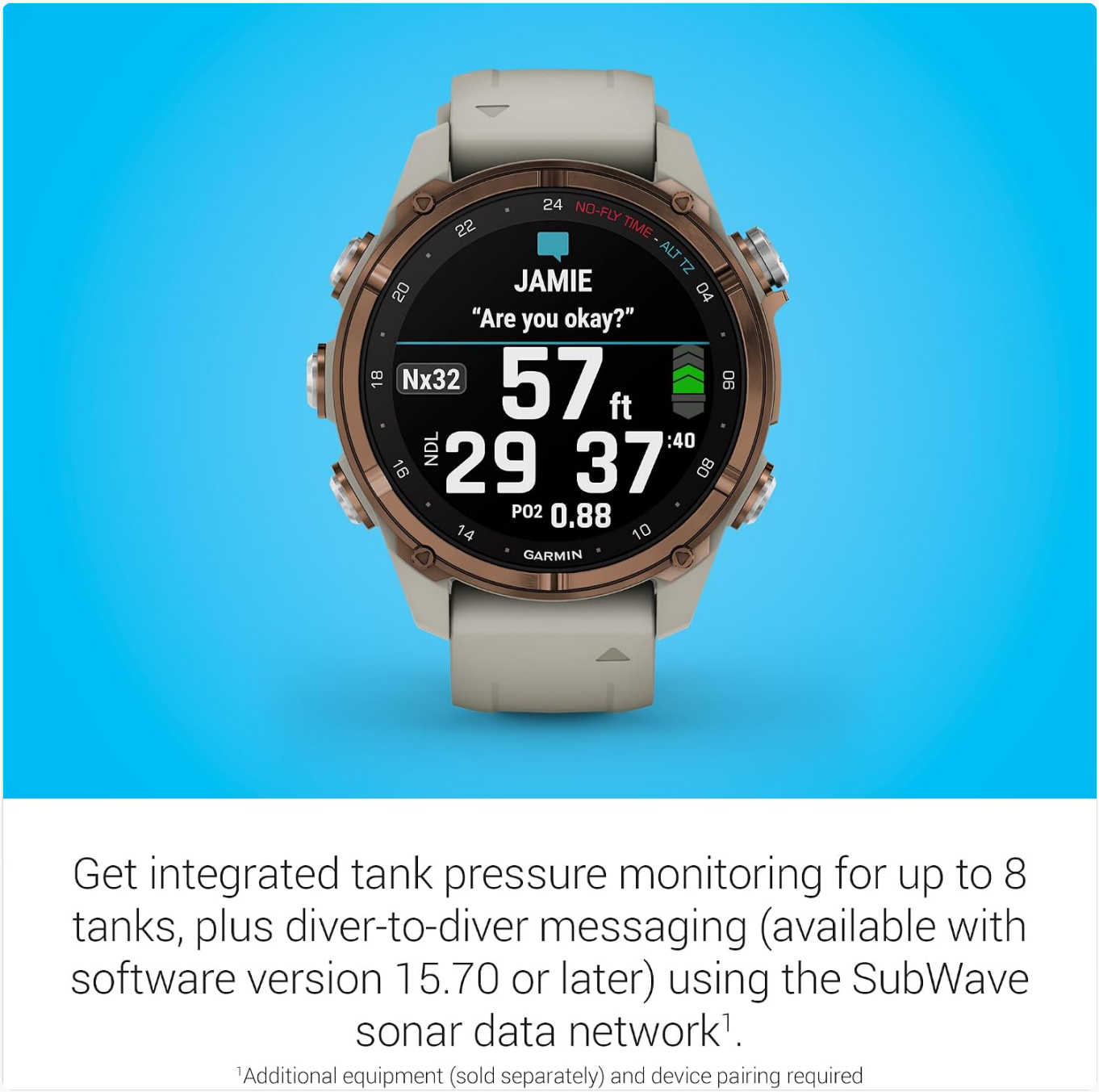


Figure 3: The watch displaying diver-to-diver messaging, a feature enabled by SubWave sonar technology.

DiveView™ Maps

Access preloaded DiveView maps directly on your wrist. These maps feature bathymetric depth contours and information for over 4,000 dive sites, aiding in navigation and exploration.

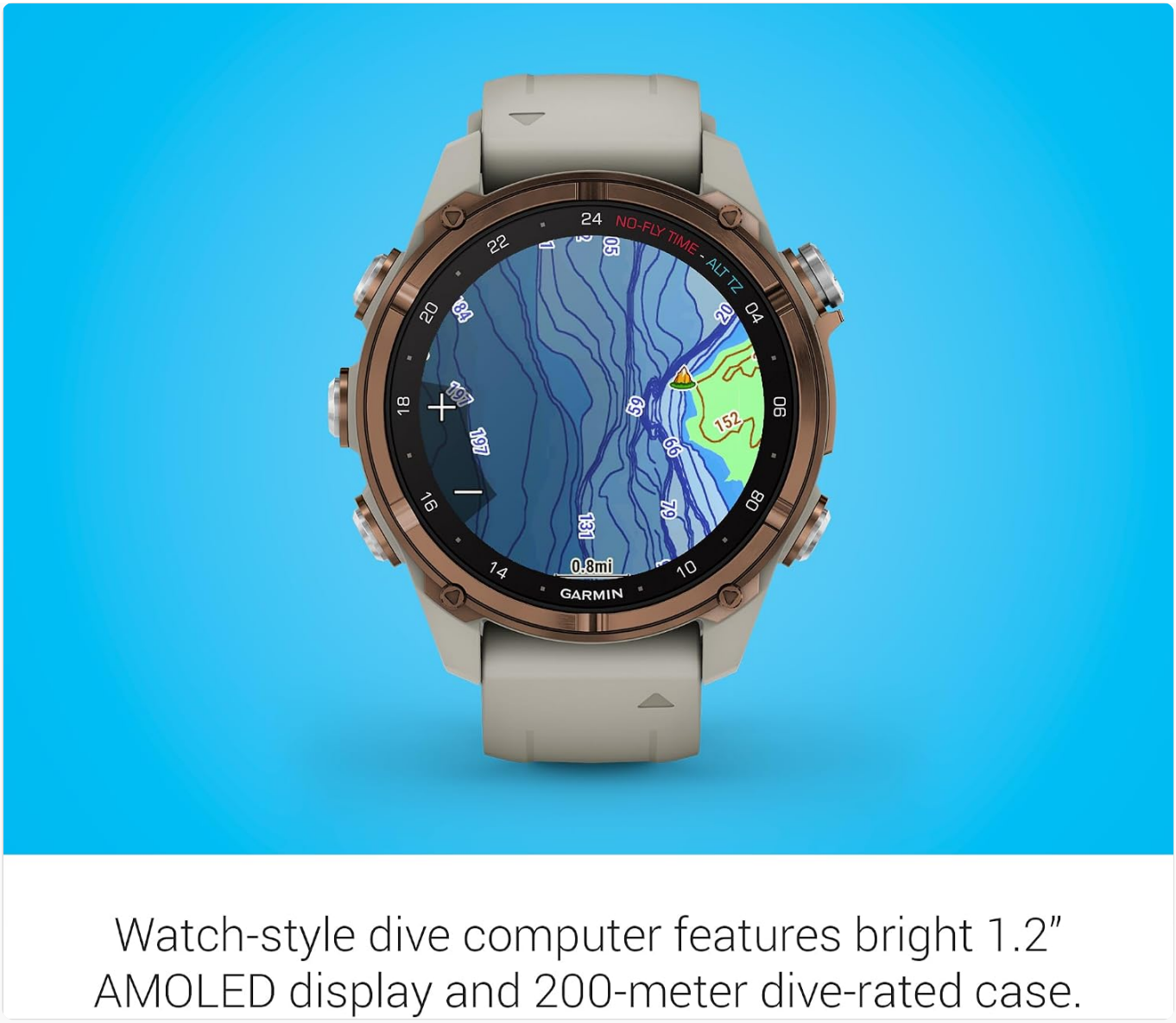


Figure 4: The watch screen showing a detailed DiveView map with depth contours.

Dive Readiness Tool

Utilize the Garmin-developed dive readiness tool to understand how lifestyle factors (sleep, exercise, stress, jet lag) impact your body's preparedness for diving. This tool provides guidance for making informed dive plan decisions.

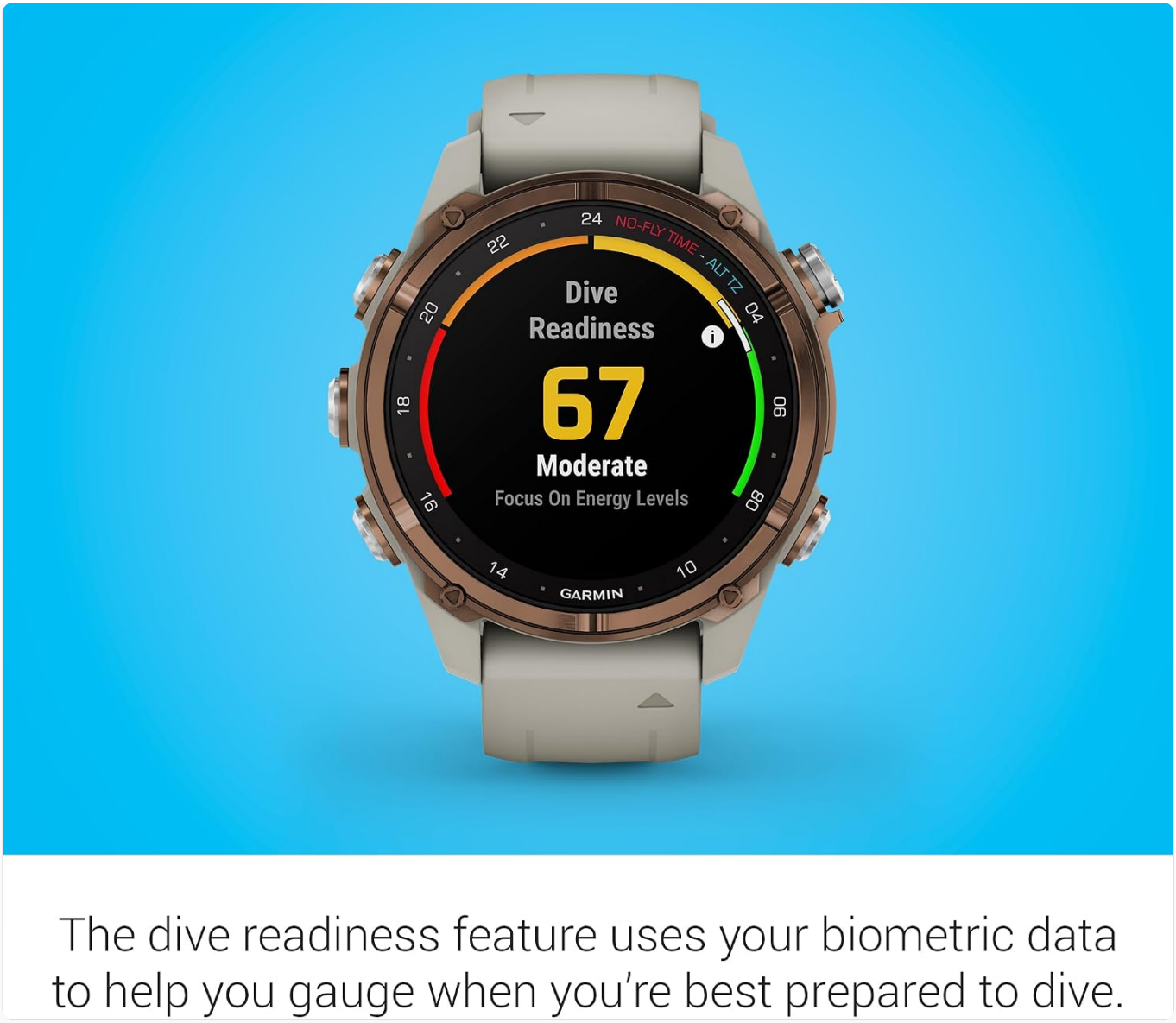


Figure 5: The Dive Readiness screen indicating a user's preparedness level for diving.

GPS and ABC Sensors

The multi-band GPS provides accurate surface tracking for marking entry and exit points. Built-in ABC (altimeter, barometer, compass) sensors, including an underwater compass, assist with navigation during your dive. Note that GPS tracking does not function underwater.

Smartwatch Features

- **Sports Apps:** Access preloaded activity profiles for various sports like running, swimming, cycling, hiking, and more.
- **Health Monitoring:** Track wrist-based heart rate, advanced sleep, respiration, and Pulse Ox (note: not a medical device).
- **Smart Notifications:** Receive alerts for calls, texts, and app notifications when paired with a compatible smartphone.
- **Music Storage:** Store and play music directly from your watch.
- **Garmin Pay™:** Make contactless payments with participating providers.

Maintenance

Battery Life and Charging

The Descent Mk3i offers up to 30 hours of battery life in dive mode and up to 10 days in smartwatch mode. To charge, connect the included USB-C to clip charging/data cable to the charging port on the back of the watch and a power source.

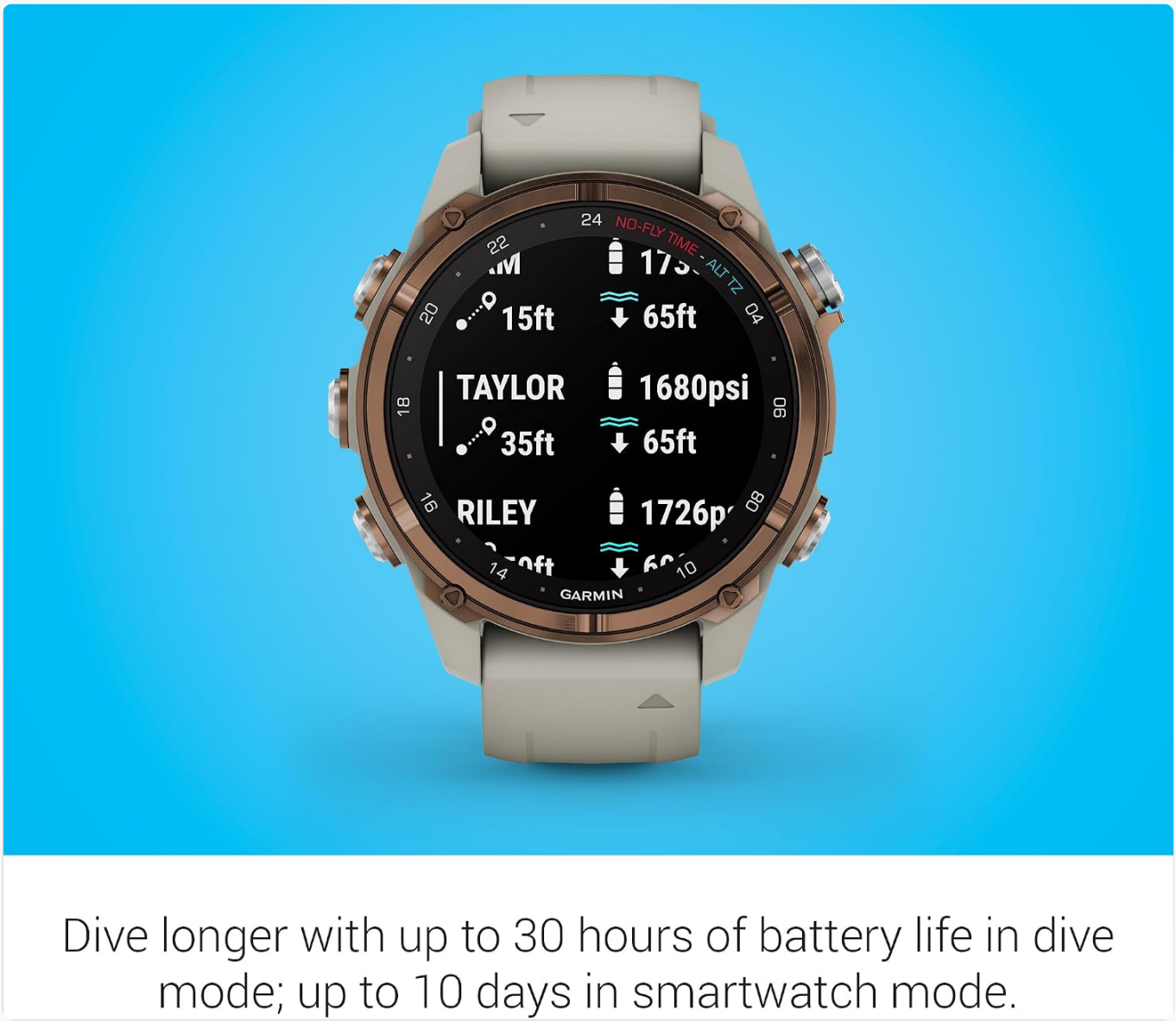


Figure 6: The watch displaying its impressive battery life, crucial for extended dive trips.

General Care

- **Rinse After Dives:** Always rinse your watch with fresh water after each dive to remove salt, chlorine, or other contaminants.
- **Clean Regularly:** Clean the device and straps regularly with a damp cloth. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspect Before Dives:** Before each dive, inspect the watch for any signs of damage to the case, buttons, or straps that could compromise its water resistance.

Troubleshooting

- **Device Not Powering On:** Ensure the device is fully charged. Connect it to the charging cable and a power source.
- **GPS Signal Issues:** For best GPS performance, ensure you are in an open area with a clear view of the sky.

GPS does not work underwater.

- **Pairing Problems:** Ensure Bluetooth is enabled on your smartphone and the Garmin Dive app is open. Restart both devices if issues persist.
- **Inaccurate Readings:** Ensure the watch is worn snugly on your wrist for accurate heart rate and Pulse Ox readings. For dive data, ensure proper calibration and sensor cleanliness.
- **Software Updates:** Regularly check for and install software updates via the Garmin Connect app or Garmin Express to ensure optimal performance and access to new features.

For more detailed troubleshooting, refer to the comprehensive online support resources available on the Garmin website or contact Garmin customer support.

Specifications

Feature	Detail
Product Dimensions	4 x 4 x 4 inches
Item Weight	2.41 ounces
Model Number	010-02753-13
Batteries	1 Lithium Ion battery (included)
Screen Size	1.2 Inches
Resolution	240 x 240
Operating System	Android, iOS, Garmin
Connectivity Technology	Bluetooth
Water Rating	200 meters (Dive-rated)
Battery Life (Dive Mode)	Up to 30 hours
Battery Life (Smartwatch Mode)	Up to 10 days

Warranty and Support

Garmin products are backed by a limited warranty. For specific warranty details, please refer to the warranty information included with your product documentation or visit the official Garmin website. For technical support, product registration, or to access additional resources, please visit Garmin Support.
You can also find more information and purchase accessories at theGarmin Store on Amazon.

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